PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	D/	ce Form PCT/ISA/220
OP04-1091	ACTION	as well as,	where applicable, item 5 below.
International application No.	International filing date (day/mon	(h/year)	(Earliest) Priority Date (day/month/year)
PCT/KR2005/000045	07 JANUARY 2005 (07.01	1.2005)	08 JANUARY 2004 (08.01.2004)
Applicant			
HWANG, Jae-Kwan et al			· .
This International search report has been prepare	ared by this International Scarchin	g Authority an	id is transmitted to the applicant according
to Article 18. A copy is being transmitted to the	e International Bureau.		
This international search report consists of a to	otal of 4 sheets.		
It is also accompanied by a copy	of each prior art document cited in	n this report.	
1. Basis of the report			
a. With regard to the language, the inte- language in which it was filed, unless	s otherwise indicated under this iter	m.	the international application in the
The international search verified this Authority (Rule 23.1)	vas carried out on the basis of a traid (b)).	nslation of the	international application furnished to
b. With regard to any nucleotide a	nd/or amino acid sequence disclo	sed in the inte	rnational application, see Box No. I.
2. Certain claims were found uns	scarchable (See Box No. II)		
3. Unity of invention is lacking (S	ce Box No. III)		••
4. With regard to the title,			
the text is approved as submitted	by the applicant.		
	this Authority to read as follows:		
	•		
,	^		
	t	,	
		•	
		•	
		•	
5. With regard to the abstract,			
the text is approved as submitted	by the applicant.		
the text has been established, acc	ording to Rule 38.2(b), by this Aut	thority as it ap	pears in Box No. IV. The applicant
may, within one month from the	date of mailing of this internationa	l scarch report	, submit comments to this Authority,
6. With regard to the drawings.			
a. the figure of the drawings to be public	shed with the abstract is Figure No	, 6	
as suggested by the application	nt.		· _
because the applicant failed	to suggest a figure.		·
because this figure better ch			
b. none of the figure is to be publish	ned with the abstract.		·
	·		

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2005/000045

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
I. Claims Nos.: 4-6
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 4-6 are directed to a method of treatment of the human body, the search has been carried out and based on the alleged effects of the compound.
and anoget errors of the compound.
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an
extent that no meaningful international search can be carried out, specifically:
\cdot
3. Claims Nos.;
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
The series of the contract of
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
in the second of
•
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable
claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.
2
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
The second second to the plant specifically Clauses 140s
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional comb foor were accompanied by the second
The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2005/000045

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A61K 31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K 31/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applictions for Utility models since 1975

Japanese Utility models and application for Utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) STN(Registry, CA), PubMed

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
·/ (X)	WO 88/3806 A1 (CHEMEX PHARMACEUTICALS, INC.) 2 June 1988 See the whole document, especially claim 28 → スキーとディー・ハニー つんによっていた ちょん	1-9	
(<u>X</u>)	EP 297733 A2 (CHEMEX PHARMACEUTICALS, INC.) 4 January 1989 See the whole document	1-9	
(A &	WO 03/28692 A2 (SEDERMA) 10 April 2003 Sec the Abstract	1-9	
(A)	WO 88/1509 A1 (CHEMEX PHARMACEUTICALS, INC.) 10 March 1988 See the whole document	1-9	
A	NOBUJI NAKATANI, et al., 'Diaryldimethylbutane Lignans From Myristica Argentea and Their Antimicrobial Action Againsi Streptococcus Mutans', Phytochemistry, 1988, Vol.27, No.10, pp.3127-9	1-9	
	•		

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	Further documents are listed in the continuation of Box C.

See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

14 APRIL 2005 (14.04.2005)

Date of mailing of the international search report

14 APRIL 2005 (14.04.2005)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR2005/000045

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
W0 88/3806 A1	02.06.1988	AU 6737987 A1	16.06, 1988
EP 297733 A2	04.01.1989	US 5276060 US 5008294 US 4880637 US 4774229 OE 3775387 CO CA 1334170 A1 AT 0070449 E	04.01.1994 16.04.1991 14.11.1989 27.09.1988 30.01.1992 31.01.1995 15.01.1992
WO 03/28692 A2	01.10.2003	US 2004254245 A1 JP 2003113069 A2 FR 2830195 B1 EP 1438015 A2	16.12,2004 18.04.2003 22.10.2004 21.07.2004
WO 88/01509 A1	10.03.1988	AU 6330486 A1	24.03.1988